

Remarks

Upon entry of the foregoing amendment, claims 1, 5-6, and 9-10 are pending in the application, with claims 1 and 6 being the independent claims. By the foregoing amendment, claims 1 and 6 are sought to be amended, and claims 2-4 and 7-8 are sought to be canceled. These changes are believed to introduce no new matter, and their entry is respectfully requested. Based on the above amendment and the following remarks, Applicant respectfully requests that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Rejections under 35 U.S.C. § 102

Claims 1-10 stand rejected under 35 U.S.C. § 102(b) as being anticipated by US patent 6,037,825 to Kung. Applicant respectfully traverses these rejections.

Claim 1 was amended so that the current source is *variable* and so that the DC current *is adjusted so as to reduce flicker noise in the mixer circuit*. Whereas, the current sources 24 and 25 that are identified in Kung are indicated to be *constant* (Col. 3, lines 59-60), and therefore cannot be *adjusted* so as to reduce flicker noise in the mixer circuit. The Office Action identifies resistor 13 and 14 as providing a variable current source. However, these resistor are disposed in the respective emitters of transistors 11 and 12, and therefore only effect the voltage drop across at the emitters of transistors 11 and 12. (See, Kung, FIG. 2) without effecting the constant current supplied by sources of the transistor 24 and 25.

Further, the Office Action indicates that col. 1, lines 5-8 discuss flicker noise. Upon review, the mention section only mentions that tree mixers can "provide linear and

low noise operation". There is no mention in Kung of reducing flicker noise by adjusting the DC current supplied to the FETs in the RF transconductance circuit, as recited in claim 1.

Accordingly, Kung does not teach each and every feature of claim 1 and therefore does not anticipate claim 1. Claim 5 depends from claim 1 and therefore is allowable for the reasons mentioned regarding claim 1, in addition to its own patentable features. Independent claim 6 and its respective dependent claims 9 and 10 are allowable for at least the same reasons as mentioned herein for claim 1. Accordingly, Applicant requests that the rejections of claim 1 and 10 and their respective dependent claims be removed, and that these claims be passed to allowance.

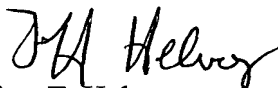
Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicant believes that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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